



1600

## RAW SEQUENCE LISTING

DATE: 01/27/2003

PATENT APPLICATION: US/09/515,806A

TIME: 10:44:09

Input Set : D:\38155-20002.txt

Output Set: N:\CRF4\01242003\I515806A.raw

3 <110> APPLICANT: MILLENNIUM PHARMACEUTICALS, INC.  
 4 Cook, William  
 5 Kapeller-Libermann, Rosana  
 7 <120> TITLE OF INVENTION: 14790, NOVEL PROTEIN KINASE MOLECULE AND  
 8 USES THEREFOR  
 10 <130> FILE REFERENCE: 38155-20002.00  
 12 <140> CURRENT APPLICATION NUMBER: US 09/515,806A  
 13 <141> CURRENT FILING DATE: 2000-02-29  
 15 <160> NUMBER OF SEQ ID NOS: 33  
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

Does Not Comply  
 Corrected Diskette Needed

670 <210> SEQ ID NO: 3  
 671 <211> LENGTH: 4950  
 672 <212> TYPE: DNA  
 673 <213> ORGANISM: Homo sapiens  
 675 <400> SEQUENCE: 3

P.3

676	atggctgggg	gccgtggggc	ccccggggcg	ggccggggacg	agcctccgga	gagctacccg	60
677	caacgacagg	accacgagct	acaggccctg	gaggccatct	acggcgcgga	cttccaagac	120
678	ctgcggcccg	acgcttgccg	accggtcaaa	gagccccctg	aaatcaattt	agttttgtac	180
679	cctcaaggcc	taactgggtg	agaagtatat	gtaaaagtgg	atttgagggt	taaatgccca	240
680	cctacctatc	cagatgtagt	tcctgaaata	gagttaaaaa	atgccaaaag	tctatcaaata	300
681	gaaagtgtca	atttggttaa	atctcgccct	gaagaactgg	ccaagaaaca	ctgtggggag	360
682	gtgatgatct	ttgaactggc	ttaccacgtg	cagtcatttc	tcagcgagca	taacaagccc	420
683	cctcccaagt	cttttcatga	agaaatgctg	gaaaggcggg	ctcaggagga	gcagcagagg	480
684	ctggttgagg	ccaagcggaa	agaagagcag	gagcaacgtg	aaatcctgca	tgagattcag	540
685	agaaggaaa	aagagataaa	agaagagaaa	aaaaggaaa	aaatggctaa	gcaggaacgt	600
686	ttggaaattg	ctagtttgct	aaaccaagat	catacctcta	agaaggaccc	aggaggacac	660
687	agaacggctg	ccattctaca	tggaggctct	cctgactttg	taggaaatgg	ttaacatcgg	720
688	gcaaaactcct	caggaagggtc	taggcgagaa	cgtcagtatt	ctgtatgtaa	tagtgaagat	780
689	tctcctggct	cttgtgaaat	tctgtatttc	aatatgggga	gtcctgatca	gctcatggtg	840
690	cacaaaggga	aatgtattgg	cagtgatgaa	caacttggaa	aattagtcta	caatgctttg	900
691	gaaacagcca	ctgggtggctt	tgtcttggtg	tatgagtggg	tccttcagtg	gcagaaaaaa	960
692	atgggtccat	tccttaccag	tcaagaaaaa	gagaagattg	ataagtgcaa	aaagcagatt	1020
693	caagggaacag	aaacagaatt	caactcactg	gtaaaattga	gccatccaaa	tgtagtacgc	1080
694	taccttgcaa	tgaatctcaa	agagcaagac	gactccatcg	tgggtggacat	tttagtggag	1140
695	cacattagtg	gggtctctct	tgctgcacac	ctgagccact	caggccccc	cctgtgcat	1200
696	cagcttcgca	ggtacacagc	tcagctcctg	tcaggccttg	attatctgca	cagcaattct	1260
697	gtggtgcata	aggtcctgag	tgcatctaata	gtcttggtgg	atgcagaagg	caccgtcaag	1320
698	attacggact	atagcatttc	taagcgcctc	gcagacattt	gcaaggagga	tgtgtttgag	1380
699	caaaccggag	ttcgttttag	tgacaatgct	ctgccttata	aaacggggaa	gaaaggagat	1440

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700	gtttggcgctc	ttggccttct	gctgctgtcc	ctcagccaag	gacaggaatg	tggagagtac	1500
701	cctgtgacca	tccctagtga	cttaccagct	gactttcaag	atcttctaaa	gaaatgtgtg	1560
702	tgcttgatg	acaaggaaa	atggagctcc	cagcagttgt	tgaaacacag	ctttataaat	1620
703	ccccagccaa	aaatgcctct	agtggaacaa	agtcctgaag	attctggagg	acaagattat	1680
704	gttgagactg	ttattcctag	caaccggcta	cccagtgtcg	ccttcttttag	tgagacacag	1740
705	agacagtttt	cccagatactt	cattgagttt	gaagaattac	aacttcttgg	taaaggagct	1800
706	tttgagagctg	tcatacaagg	gcagaacaag	ttggacggct	gctgctacgc	agtgaagcgc	1860
707	atccccatca	acccggccag	ccggcagttc	cgcaggatca	agggcggaag	gacactgctg	1920
708	tcacggctgc	accatgagaa	cattgtgcgc	tactacaacg	cctggatcga	gcggcacgag	1980
709	cggccggcgg	gaccggggac	gcccggcccg	gactccgggc	ccctggccaa	ggatgaccga	2040
710	gctgcacgcg	ggcagccggc	gagcgacaca	gacggcctgg	acagcgtaga	ggccggccgcg	2100
711	ccgccaccca	tcctcagcag	ctcgggtggag	tggagcactt	cgggcgagcg	ctcggccagt	2160
712	gcccgtttcc	ccgccaccgg	ccggggctcc	agcgatgacg	aggacgacga	cgaggacgag	2220
713	cacggtggcg	tcttctccca	gtccttctctg	cctgcttcag	attctgaaag	tgatattatc	2280
714	tttgacaatg	aagatgagaa	cagtaaaagt	cagaatcagg	atgaagattg	caatgaaaag	2340
715	aatggctgcc	atgaaagtga	gccatcagtg	acgactgagg	ctgtgacta	cctatacatc	2400
716	cagatggagt	actgtgagaa	gagcacttta	cgagacacca	ttgaccaggg	actgtatcga	2460
717	gacaccgtca	gactctggag	gctttttcga	gagattctgg	atggattagc	ttatatccat	2520
718	gagaaaggaa	tgattcaccg	ggatttgaag	cctgtcaaca	tttttttggg	ttctgatgac	2580
719	catgtgaaaa	taggtgattt	tggtttggcg	acagaccatc	tagccttttc	tgctgacagc	2640
720	aaacaagacg	atcagacagg	agacttgatt	aagtcagacc	cttcagggtca	cttaactggg	2700
721	atggttggca	ctgctctcta	tgtaagccca	gaggtccaag	gaagcaccaa	atctgcatac	2760
722	aaccagaaa	tgatctctt	cagcctggga	attatcttct	ttgagatgtc	ctatcacccc	2820
723	atggtcacgg	cttcagaaa	gatctttgtt	ctcaaccaac	tcagagatcc	cacttcgcct	2880
724	aagtttccag	aagactttga	cgatggagag	catgcaaagc	agaaatcagt	catctcctgg	2940
725	ctgttgaacc	acgatccagc	aaaacggccc	acagccacag	aactgctcaa	gagtgaagctg	3000
726	ctgccccac	cccagatgga	ggagtcagag	ctgcatgaag	tgctgcacca	cacgctgacc	3060
727	aacgtggatg	ggaaggccta	ccgcaccatg	atggcccaga	tcttctcgca	gcgcattctcc	3120
728	cctgccatcg	attacaccta	tgacagcgac	atactgaagg	gcaacttctc	aatccgtaca	3180
729	gccaaagatg	agcagcatgt	gtgtgaaacc	atcatccgca	tctttaaaag	acatggagct	3240
730	gttcagttgt	gtactccact	actgcttccc	cgaacacagc	aaatatatga	gcacaacgaa	3300
731	gctgccctat	tcattggacca	cagcgggatg	ctgggtgatg	ttccttttga	cctgcggatc	3360
732	ccttttgcaa	gatattgtggc	aagaaataat	atattgaatt	taaaacgata	ctgcatagaa	3420
733	cgtgtgttca	ggccgcgcaa	gttagatcga	tttcatccca	aagaacttct	ggagtgtgca	3480
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735	atctatgaaa	tcattccaaga	gtttccagca	cttcaggaaa	gaaattacag	tatttatttg	3600
736	aaccatacca	tgattattgaa	agcaatactc	ttacactgtg	ggatcccaga	agataaactc	3660
737	agtcaagtct	acattattct	gtatgatgtc	gtgacagaga	agctgacgag	gagagaagtg	3720
738	gaagctaaat	tttgtaattc	gtctttgtct	tctaatagtc	tgtgtcgact	ctacaagttt	3780
739	attgaacaga	aggagagttt	gcaagatctt	atgccaaaca	taaattcatt	aataaaacag	3840
740	aaaacaggta	ttgcacagtt	ggtgaagtat	ggcttaaaag	acctagagga	ggttgttgga	3900
741	ctgttgaaga	aactcggcat	caagttacag	gtcttgatca	atttgggctt	ggtttacaag	3960
742	gtgcagcagc	acaatggaat	catcttccag	tttgtggctt	tcataaaacg	aaggcaaagg	4020
743	gctgtacctg	aaatcctcgc	agctggaggc	agatatgacc	tgctgattcc	ccagttttaga	4080
744	gggccacaag	ctctggggcc	agttcccact	gccattgggg	tcagcatagc	tatagacaag	4140
745	atatctgctg	ctgtcctcaa	catggaggaa	tctgttacaa	taagctcttg	tgacctcttg	4200
746	gttgaagtgt	ttggtcagat	gtctatgtcc	agggccatca	acctaaccga	gaaactctgg	4260
747	acagcaggca	tcacagcaga	aatcatgtac	gactggtcac	agtcaccaaga	ggaattacaa	4320
748	gagtactgca	gacatcatga	aatcacctat	gtggcccttg	tctcggataa	agaaggaagc	4380

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Input Set : D:\38155-20002.txt

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749 catgtcaagg ttaagtcttt cgagaaggaa aggcagacag agaagcgtgt gctggagact 4440
750 gaacttgtgg accatgtact gcagaaactg aggactaaag tctactgatga aaggaatggc 4500
751 agagaagctt ccgataatct tgcagtgcaa aatctgaagg ggctattttc taatgcttca 4560
752 ggtttggttg aaatccatgg agcaacagtg gttcccattg tgagtgtgct agccccggag 4620
753 aagctgtcag ccagcactag gaggcgctat gaaactcagg tacaaaactcg acttcagacc 4680
754 tcccttgcca acttacatca gaaaagcagt gaaattgaaa ttctggctgt ggatctaccc 4740
755 aaagaaacaa tattacagtt tttatcatta gagtgggatg ctgatgaaca ggcatttaac 4800
756 acaactgtga agcagctgct gtcacgcctg ccaaagcaaa gatacctcaa attagtctgt 4860
757 gatgaaattt ataacatcaa agtagaaaaa aaggtgtctg tgctatttct gtacagctat 4920
E--> 758 agagatgact actacagaat cttattttaa 4950
759

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44950

## VERIFICATION SUMMARY

DATE: 01/27/2003

PATENT APPLICATION: US/09/515,806A

TIME: 10:44:11

Input Set : D:\38155-20002.txt

Output Set: N:\CRF4\01242003\I515806A.raw

L:758 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:4950 SEQ:3  
L:1195 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1199 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:1200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:1202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16  
L:1204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32  
L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:48  
L:1208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:64  
L:1210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:80  
L:1212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:96  
L:1214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:112  
L:1216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:128  
L:1218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:144  
L:1220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:160  
L:1222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:176  
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:192  
L:1226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:208  
L:1228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:224  
L:1230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:240  
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:256  
L:1243 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1247 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:1248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:1250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:16  
L:1596 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18